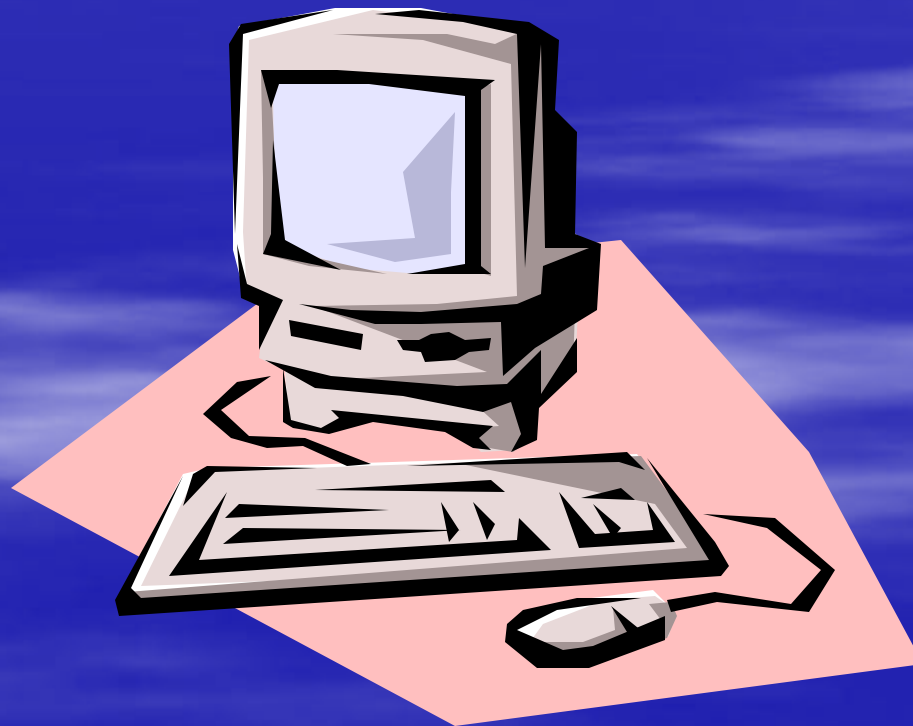# Eulogy for our dear friend

The Data Collection Center

The Data Collection Center, "DCC"

1997 – 2001

"She lived her life as if a candle, burning at both ends"

Her humble beginnings

- She and I both were born in NC, she in a computer room at MCNC
- EPA New England (Region 1) raised her in her infancy, teaching her to walk, then quickly to run
- EPA-RTP adopted her and saw her through her troublesome teenage years
- At EPA, she grew into a mature, and some might say, beautiful, data collection system

Significant moments in her journey

- March 1998: EPA files papers to adopt DCC from her childhood home, New England.

- May 1998: DCC "debuts" for ozone season in her new hometown of Research Triangle Park, NC.

- May 1998 – January 2000: DCC enters what has come to be known as her "renaissance period", an almost 2 year run of nearly flawless performance.

- February 2000: EPA's firewall threatens to cut off her very lifeblood, but she prevails after EPA develops the famous "mirror". However, her will to fight is damaged in the encounter.

More significant moments

- April 2000: EPA begins discussing a new DCC with Sonoma Technologies. Despite facing her imminent demise, DCC continues to valiantly process data.

- June 2001: EPA staff travel to Petaluma, CA to preview the redesigned DCC, christening it the Data Management Center (DMC)

- October 30, 2001: DCC ends what will be her final ozone season, processing her last OBS file.

DCC is Survived By. . .

- Her children
  - MapGen – a quirky young mapping program, responsible for the ozone movies
  - The Forecast System – about to be redesigned by Sonoma
- Her Parents
  - EPA Region I, MCNC, et al

Warning! Violent Content

- ***The following video contains subject matter that may prove disturbing to IT professionals. Viewer discretion is advised. This video is rated CV for Computer Violence.***

Her shocking last day, caught on tape

So many memories. . .

- Poring through OBS files
- Double checking her QA routine, but always finding out she was right
- After the firewall, trying to satisfy her insatiable appetite for real-time data.
- Updating her quirky station location file
- Trying to understand her TCL/TK scripts, but finally just letting her be herself.

But Seriously, Folks

Since the last time we met. . .

- Sonoma Technologies completed the DCC redesign
- The "new DCC", or DMC, was tested at EPA last summer
- Our Lockheed-Martin Task Order was terminated on December 12, 2001
- The contract to operate the new DMC was awarded to Sonoma on February 1, 2002.

The basics of DMC

All y'all

FTP server

AirNow Administrative Interface

MapCon NT Service

Oracle DB
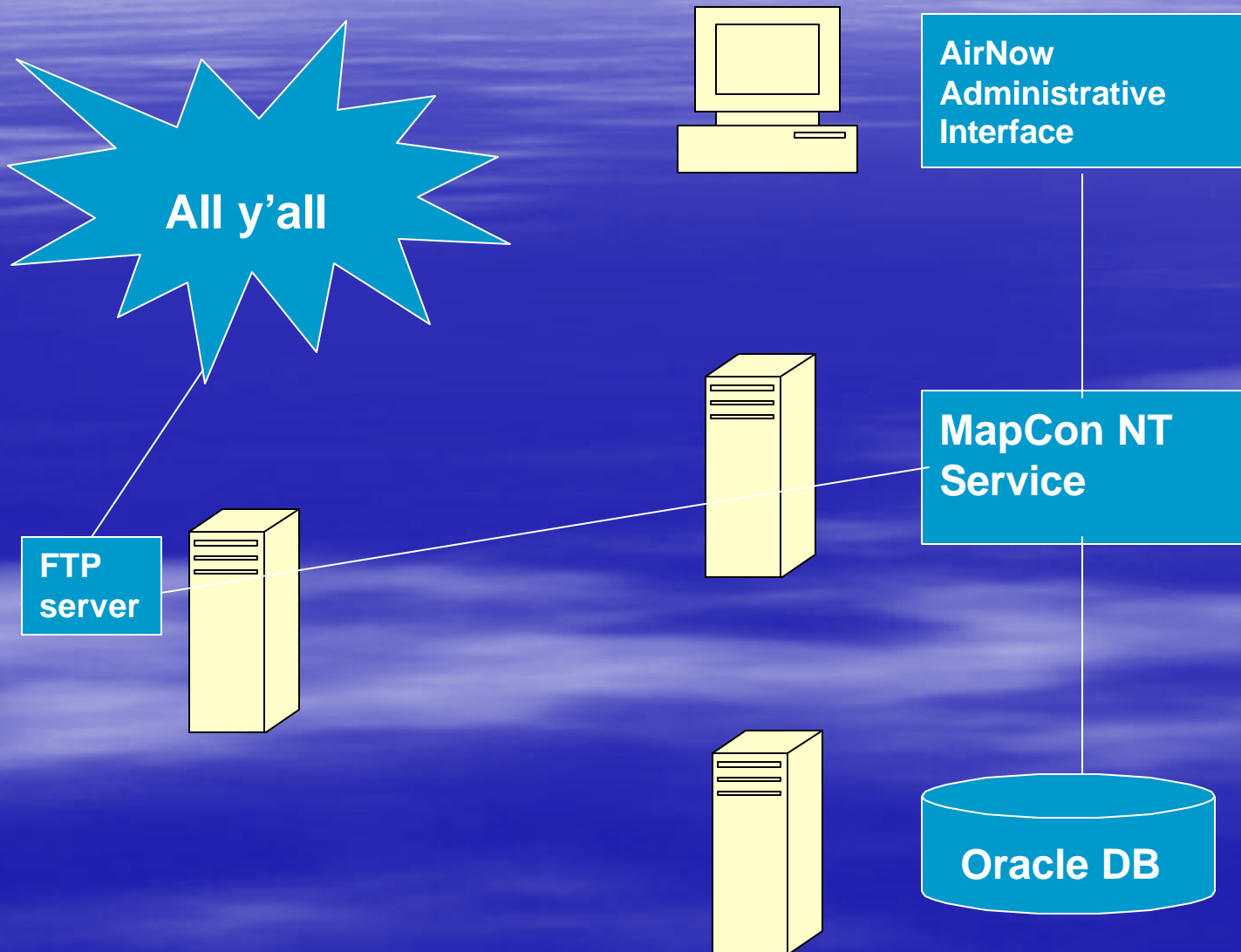
The Admin Interface, in all its glory
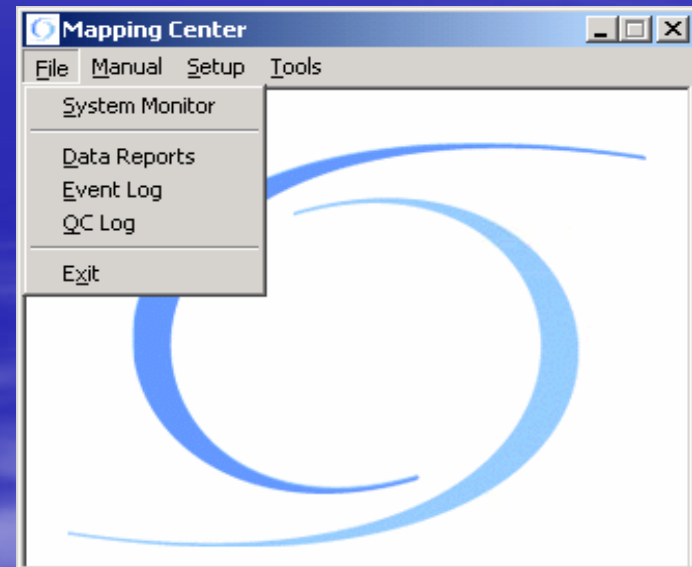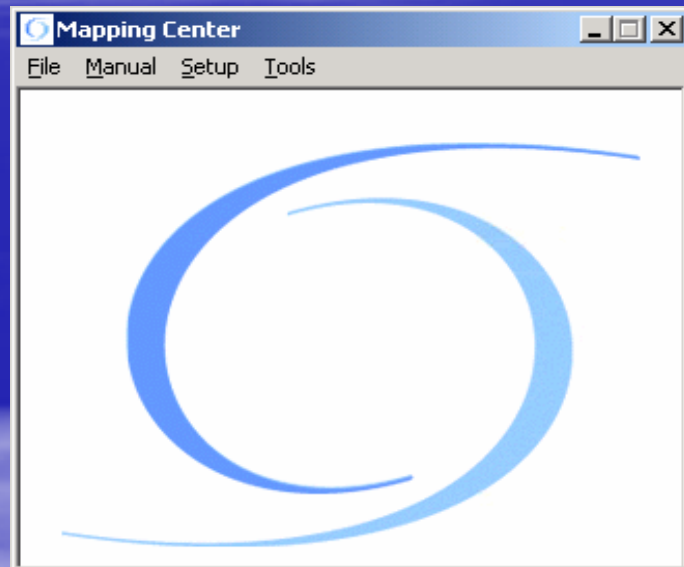
The Agency Screen

Reporting Agencies

Reporting Agencies Information

Agency Name:	Massachusetts Dept. of Environmental Pr
Agency Code:	MA1
EPA Region:	EPA Region 9
Address:	Unknown
City:	Unknown
State, ZIP Code:	Massachusetts ▼ Unknown
Phone:	978-975-3215 x310
Fax:	978-688-0352
Data Offset to GMT:	5 hours
Reporting Frequency:	Hourly

Import Data: ☑   Manual QC: ☑
Interpolate Data: ☑   AutoEmail: ☐

Sites Reported by this Agency

	AIRS Code	Site ID	Site Name
▶	250010002	None	TRURO
	250034002	None	ADAMS
	250051001	None	NORTH EASTON POST OFFICE
	250051002	None	FAIRHAVE
	250051005	None	EASTON
	250090005	None	LAWRENCE
	250092006	None	LYNN
	250094004	None	NEWBURY
	250130003	None	AGAWAM
	250130008	None	CHICOPEE
	250150103	None	AMHERST
	250154002	None	WARE
	250171102	None	STOW
	250232001	None	SCITUATE POLICE STATION
	250250041	None	LONGISLD
	250250042	None	ROXBURY2
	250270015	None	WORCARPT

Email Notification Recipients

	First Name	Last Name	Email Address	Weekend Only
▶	Diana	Conti	diana.conti@state.ma.us	No

New   Delete

Select   New   Delete   Update   Close

The Site Screen

The Site Screen

System Monitor Screen

System Monitor Screen

Airnow Status Website

AirNow Operational Status - Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

← Back   →   ⊗ ⬡ ⌂   Search   Favorites   History | ⬚▾ 🖨 ⬚▾ 🗐 🗇 ♀

Address 🔧 http://www.airnowstatus.com/   ▼   ⬿Go

AIR NOW

Operational Status
February 04, 2002 01:35 (EDT)

News and Events

EPA National Air Quality Conference - February 3-6, 2002

- Hear the latest on air quality forecasting techniques and tools
- Find out about real-time mapping of ozone and fine particulate data
- Hear insiders' perspectives on air quality and emergency response
- Learn how to build local partnerships
- Hear success stories from ozone action programs
- Share ideas for increasing and maintaining community involvement
- Discuss media outreach opportunities

Polling Summary

Agency	Date / Time (EDT)
al1	09/27/01 11:00
al2	10/01/01 08:00
ar1	10/01/01 08:00
ca1	10/31/01 21:00
ck1	10/01/01 08:00
cn1	10/01/01 08:00
ct1	10/01/01 08:00
dc1	09/20/01 15:00
dc2	10/01/01 08:00
de1	10/01/01 08:00
fl1	10/29/01 08:00
fl2	10/31/01 21:00
fl3	09/13/01 08:00
fl4	10/31/01 21:00
ia1	10/01/01 08:00
ia2	09/30/01 13:00

Scheduled Polls

Times are EDT

08:00
11:00
13:00
15:00
17:00
19:00
21:00

Color Legend

Green = Current
Yellow = 2 to 6 hrs old
Red = over 6 hrs old
Grey = Unknown status

🔧 Done   🌐 Internet

🏁 Start | 🌐 🔵 ✅ 📋 ▒   » | Ⅰ Microsoft Power... | Microsoft Power... | 🔧 AirNow Opera... | ▨▨▨▨ ▨◆◉◀◔ ⚙◑▨▨   1:36 AM

How does this affect you?

- Polling
  - Simply change your FTP site
  - "Polling window" has been shattered
  - DMC is designed for hourly polling (who can't?)
  - No 8AM previous day's data poll
- Maps based on data completeness
  - Map produced when enough data comes in
  - First in, first out – rewards early submittal

How does this affect you?

- **PM-Fine**
  - DMC can, and has, processed and MAPPED it
  - Need QA/QC routines, "real time" surrogates

The future is bright

- The power of a database, combined with the accessibility of the web, will allow us to:
  - Let you update your own settings – QA/QC criteria, monitor locations, etc.
  - Let all partners perform advanced queries on the database, including real-time data and forecasts
  - Quickly and simply process, or reprocess, your data

EPA's Goal for the DMC

The Maytag Repairman

Stop by our Interacts Session

- Today at 3:30
- Meet Craig Anderson of Sonoma
- John White of EPA
- Me

- Pay your last respects to the DCC